

Substitute for form 1449/PTO, based on PTO/SB/08A and 08B

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Application Number	10/735,601
Filing Date	12/12/2003
First Named Inventor	Smith et al.
Art Unit	1635-1633
Examiner Name	Brian A. Whitemann Robert M. Kelly
Attorney Docket Number	95-02

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## U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. <sup>1</sup>	Document Number (US-)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)
<i>PK</i>	1	6,844,188	01/18/2005	MacDonald et al.	
	2	6,783,939	08/31/2004	Olmsted et al.	
	3	6,583,121	06/24/2003	Johnston et al.	
	4	6,451,592	09/17/2002	Dubensky, Jr. et al.	
	5	6,426,196	07/30/2002	Dubensky, Jr. et al.	
	6	6,391,632	05/21/2002	Dubensky, Jr. et al.	
	7	6,376,236	04/23/2002	Dubensky, Jr. et al.	
	8	6,342,372	01/29/2002	Dubensky, Jr. et al.	
	9	6,329,201	12/11/2002	Polo et al.	
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	30	2003/0148262	08/07/2003	Polo et al.	
	31	2003/0119182	06/26/2003	Smith et al.	
<i>PK</i>	32	2002/0141975	10/03/2002	Olmsted et al.	

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Signature*Robert M. Kelly*Date  
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**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Number (include WIPO country code)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)	T <sup>2</sup>
MK	33	WO 04/085660	10/07/2004	Smith et al.		
	34	WO 03/023026 A	03/20/2003	Smith et al.		
	35	WO 02/20721	03/14/2002	Johnston et al.		
	36	WO 00/61772	10/19/2000	Polo et al.		
	37	WO 00/39318	07/06/2000	Polo et al.		
	38	WO 96/37616	11/28/1996	Johnston et al.		
	39	WO 96/37220	11/28/1996	Johnston et al.		
	40	WO 96/17072	06/06/1996	Dubensky, Jr. et al.		
	41	WO 95/31565	11/23/1995	Sjoberg et al.		
	42	WO 95/27044	10/12/1995	Liljestrom et al.		
	43	WO 95/07994	03/23/1995	Dubensky, Jr. et al.		
MK	44	WO 92/10578	06/25/1992	Garoff et al.		

**NON-PATENT LITERATURE DOCUMENTS**

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MK	45	Barouch et al. (2000) "Augmentation of Immune Responses to HIV-1 and Simian Immunodeficiency Virus DNA Vaccines by IL-2/Ig Plasmid Administration in Rhesus Monkeys," <i>Proc. Natl. Acad. Sci. USA</i> 97(8):4192-4197	
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	47	Betts et al. (1997) "Cross-Clade Human Immunodeficiency Virus (HIV)-Specific Cytotoxic T-Lymphocyte Responses in HIV-Infected Zambians," <i>J. Virol.</i> 71(11):8908-8911	
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MK	49	Caley et al. (1997) "Humoral, Mucosal, and Cellular Immunity in Response to a Human Immunodeficiency Virus Type 1 Immunogen Expressed by a Venezuelan Equine Encephalitis Virus Vaccine Vector," <i>J. Virol.</i> 71(4):3031-3038	

Examiner Signature	<i>Robert M. Kelly</i>	Date Considered	2/2/07
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MK	50	Caley et al. (1999) "Venezuelan Equine Encephalitis Virus Vectors Expressing HIV-1 Proteins: Vector Design Strategies for Improved Vaccine Efficacy," <i>Vaccine</i> 17:3124-3135		
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	52	Corsini et al. (1996) "Efficiency of Transduction by Recombinant Sindbis Replicon Virus Varies Among Cell Lines, Including Mosquito Cells and Rat Sensory Neurons," <i>BioTechniques</i> 21(3):492-497		
	53	Cutler et al. (1986) "Mutants of the Membrane-binding Region of Semliki Forest Virus E2 Protein.I. Cell Surface Transport and Fusogenic Activity," <i>J. Cell Biol.</i> 102:889-901		
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	55	Davis et al. (1996) "A Viral Vaccine Vector that Expresses Foreign Genes in Lymph Nodes and Protects Against Mucosal Challenge," <i>J. Virol.</i> 70:3781-3787		
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	58	Davis et al. (1996) "Immunization Against Influenza with Attenuated Venezuelan Equine Encephalitis Virus Vectors," In: <i>Options for the Control of Influenza III</i> , L.E.Brown and A.W.Hampson, eds. Elsevier, Amsterdam pp.803-809		
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	60	Davis et al. (1989) "In Vitro Synthesis of Infectious Venezuelan Equine Encephalitis Virus RNA from a cDNA Clone: Analysis of a Viable Deletion Mutant," <i>Virol.</i> 171:189-204		
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TK	65	Favre et al. (1993) "Semliki Forest Virus Capsid Protein Expressed by a Baculovirus Recombinant," <i>Arch. Virol.</i> 132:307-319	
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	67	Garoff et al. (1983) "Expression of Semliki Forest Virus Proteins from Cloned Complementary DNA. II. The Membrane-Spanning Glycoprotein E2 is Transported to the Cell Surface Without its Normal Cytoplasmic Domain," <i>J. Cell Biol.</i> 97:652-658	
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V	78	Holcik et al. (2000) "Functional Characterization of the X-Linked Inhibitor of Apoptosis (XIAP) Internal Ribosome Entry Site Element: Role of La Autoantigen in XIAP Translation," <i>Mol. Cell. Biol.</i> 20(13):4648-4657	
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PK	80	Holcik et al. (Jan. 2003) "The Internal Ribosome Entry Site-Mediated Translation of Antiapoptotic Protein XIAP is Modulated by the Heterogeneous Nuclear Ribonucleoproteins C1 and C2," <i>Mol. Cell. Biol.</i> 23(1):280-288		
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PK	95	Li et al. (1996) "Production of Infectious Recombinant Moloney Murine Leukemia		
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PK		Virus Particles in BHK Cells Using Semliki Forest Virus-Derived RNA Expression Vectors," <i>Proc. Natl. Acad. Sci. USA</i> 93:11658-11663	
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PK	111	Pushko et al. (Dec. 2001) "Individual and Bivalent Vaccines Based on Alphavirus Replicons Protect Guinea Pigs Against Infection with Lassa and Ebola Viruses," <i>J.</i>	
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<i>MK</i>		<i>Virol. 75(23):11677-11685-</i>	
	112	Pushko et al. (1997) "Replicon-Helper Systems from Attenuated Venezuelan Equine Encephalitis Virus: Expression of Heterologous Genes in Vitro and Immunization Against Heterologous Pathogens in Vivo," <i>Virol. 239:389-401</i>	
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<i>✓</i>	127	Suomalainen et al. (1992) "Spike Protein-Nucleocapsid Interactions Drive the Budding of Alphaviruses," <i>J. Virol. 66(8):4737-4747</i>	
<i>MK</i>	128	Sykes et al. (1999) "Genetic Live Vaccines Mimic the Antigenicity but Not	

Examiner Signature	<i>R. M. Kelly</i>	Date Considered	<i>2/2/07</i>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>Applicant is to place a check mark here or "X" if English language Translation is attached.

Substitute for form 1449/PTO, based on PTO/SB/08A and 08B

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Application Number	10/735,601
Filing Date	12/12/2003
First Named Inventor	Smith et al.
Art Unit	1635 1633
Examiner Name	Brian A. Whitemann Robert M. Kelly
Attorney Docket Number	95-02

GWS 8/19/2005

Examiner Initial*	Cite No. <sup>1</sup>	REFERENCE		T <sup>2</sup>
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
JAK		Pathogenicity of Live Viruses," <i>DNA Cell Biol.</i> 18(7):521-531		
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Examiner Signature		Date Considered	2/2/07
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OCT 12 2004

Sheet 1 of 3

Substitute for form 1449/PTO, based on PTO/SB/08A and 08B

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Application Number	10/735,601
Filing Date	December 12, 2003
First Named Inventor	Smith et al.
Art Unit	4636 / 633
Examiner Name	Brian A. Whiteman Robert Kelly
Attorney Docket Number	95-02

GWS 10/12/2004

## U.S. PATENT DOCUMENTS

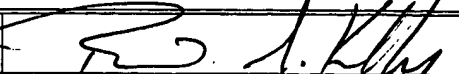
Examiner Initial*	Cite No. <sup>1</sup>	Document Number (US-)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)

## FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Number (include WIPO country code)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)	T <sup>2</sup>
PK	1	WO 92/10578	06/25/1992			
PK	2	WO 99/08706	02/25/1999			

## NON-PATENT LITERATURE DOCUMENTS

Examiner Initial*	Cite No. <sup>1</sup>	REFERENCE Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PK	1	Balasuriya et al. (Feb. 2002) "Alphavirus replicon particles expressing the two major envelope proteins of equine arteritis virus induce high level protection against challenge with virulent virus in vaccinated horses"; <i>Vaccine</i> 20:1609-1617.	
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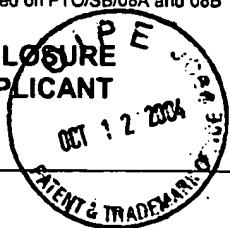
Examiner Signature		Date Considered	2/2/07
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Substitute for form 1449/PTO, based on PTO/SB/08A and 08B

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**


Application Number	10/735,601
Filing Date	December 12, 2003
First Named Inventor	Smith et al.
Art Unit	1636 / 633
Examiner Name	Brian A. Whitman Robert Kelly
Attorney Docket Number	95-02

GWS 10/12/2004

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Examiner Signature	<i>R. A. Kelly</i>	Date Considered	2/2/07
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Substitute for form 1449/PTO, based on PTO/SB/08A and 08B		Application Number	10/735,601
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Filing Date	December 12, 2003
		First Named Inventor	Smith et al.
		Art Unit	4635/633
		Examiner Name	Brian A. Whitteman Robert Kelly
		Attorney Docket Number	95-02

GWS 10/12/2004

PK	26	Wilson et al. (Aug. 2001) "Vaccine Potential of Ebola Virus VP24, VP30, VP35, and VP40 Proteins"; <i>Virology</i> 286:384-390	
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Examiner Signature	<i>Robert Kelly</i>	Date Considered	2/2/07
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IDS of 10/7/04

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

<b>Title of Invention</b>	Multi-Antigenic Alphavirus Replican Particles and Methods
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Application Number : 10/735601



Confirmation Number: 2496

First Named Applicant: Jonathan Smith

Attorney Docket Number: 95-02

Art Unit: ~~1635~~ 1633

Examiner: ~~Brian Whiteman~~ Robert Kelly

Search string: ( 6770283 or 6767699 or 6521235 or 6495143 or 6485958 or 6306388 or 6267967 or 6242259 or 6197502 or 6194191 or 6190666 or 6156558 or 6146874 or 5989553 or 5958738 or 5853719 or 5831016 or 5827658 or 5811407 or 5792462 or 5726022 or 5703057 or 5639650 or 5505947 or 5521082 or 5185440 or 4650764 or 20020102273 or 20020018766 or 20030021766 or 20030091591 or 20040166573 ).pn

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
ZMK	1	6770283	2004-08-03	Garoff et al.			
	2	6767699	2004-07-27	Polo et al.			
	3	6521235	2003-02-18	Johnston et al.			
	4	6495143	2002-12-17	Lee et al.			
	5	6485958	2002-11-26	Blanch et al.			
	6	6306388	2001-10-23	Nair et al.			
	7	6267967	2001-07-31	Johnston et al.			
	8	6242259	2001-06-05	Polo et al.			
	9	6197502	2001-03-06	Renner et al.			
	10	6194191	2001-02-27	Zhang et al			
	11	6190666	2001-02-20	Garoff et al.			
	12	6156558	2000-12-05	Johnston et al.			
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	14	5989553	1999-11-23	Johnston et al.			
	15	5958738	1999-09-28	Lindemann et al.			
	16	5853719	1998-10-29	Nair et al.			
	17	5831016	1998-03-11	Wang et al.			
	18	5827658	1998-10-27	Liang, B.			
ZMK	19	5811407	1998-09-22	Johnston et al.			

Rob A. Kelly 2/2/07

<i>JMK</i>	20	5792462	1998-08-11	Johnston et al.			
	21	5726022	1998-03-10	Burmer, G.			
<i>JMK</i>	22	5703057	1997-10-30	Johnston et al.			
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<i>JMK</i>	26	5185440	1993-02-09	Davis et al.			
<i>JMK</i>	27	4650764	1987-03-17	Temin et al.			

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
<i>JMK</i>	1	20020102273	2002-08-01	Grieve et al.			
	2	20020018766	2002-02-14	Roberts et al.			
	3	20030021766	2003-01-30	Vadjy et al.			
<i>JMK</i>	4	20030091591	2003-05-15	Xiong et al.			
<i>JMK</i>	5	20040166573	2004-08-26	Smith et al.			

## Signature

Examiner Name	Date
<i>R. L. Kelly</i>	<i>2/2/07</i>